

Information for profiling

Basic Info.	<p>Name: Chandra Ashok Sengupta Designation: Assistant Professor Department: Microbiology E-mail: chandra.sengupta@fergusson.edu</p> <p>Work experience (in years) Teaching: 11 Industrial: NA Research: NA</p>
Personal Profile	<p>I am a microbiologist with an experience of 11 years in academics. I have post graduated in Microbiology from M.S. University, Baroda and qualified National Eligibility Test for Life Sciences in the year 2010.</p> <p>I have taught undergraduate and post graduate students and also mentored research projects as a part of students' dissertations. I have worked as the principal investigator for a Minor Research Project, funded by BCUD, Savitribai Phule Pune University</p>
Course(s) Taught	Microbial Genetics, Industrial Microbiology, Cell and Developmental Biology, Applied Microbiology, Marine Microbiology etc.
Field of specialization	Microbiology
Education Qualifications (upto Graduation)	M.Sc. Microbiology B.Sc. Microbiology
Awards, Honors	
Professional Membership	
Employment History	<p>I am currently employed in Department of Microbiology, Fergusson College, Pune, India as an Assistant Professor.</p> <p>I have previously taught in Department of Microbiology and Biotechnology in Sinhgad College of Science.</p>

Research	<p>Principal Investigator of a minor research project Proposal no. 13SCI001891 Funded by: Board of College and University Development (BCUD), Savitribai Phule Pune University. Budget sanctioned: Rs. 2,50,000 Duration: 2 years (2013-2015)</p>
Publications	<ul style="list-style-type: none"> Effect of plant growth promoting rhizobacteria on seed germination and seedling development of Zea mays Chandra Sengupta, Amita Bhosale and Swati Malusare International Journal of Research in Advent Technology, Vol 4, Special Issue (32-40) February 2015. E-ISSN: 2321-9637. Impact factor : 2.865 Isolation and characterization of siderophore producing microorganisms from rhizosphere of soil of Oryza sativa and Solanum lycopersicum Pratiksha Pujari and Chandra Sengupta International Journal of Multidisciplinary Research, Vol 1, Issue 12 (III) (72-77) March 2013. ISSN No- 2277-9302
Participations in Conferences/Seminars/Symposia/Workshop	<ul style="list-style-type: none"> Participated in the National Seminar on 'Implementation of Multi and Trans – Disciplinary Education under NEP 2020' from 18th – 20th January 2023 organized by Fergusson College (Autonomous), Pune Attended a webinar on Data Science approaches for Pandemics" by Dr Sudhakaran Prabhakaran on Thursday, 14 May 2020, organized by MANAV, Human Atlas Initiative, ISSER, NCCS and Persistent, Pune Participated In Webinar On "Game Theory: Applications in Biology and in A Pandemic (Part-2)" on 18 June 2020 Attended a webinar on: Tackling COVID-19 with science and technology on 9th April 2020 conducted by Prof. K. Vijay Raghavan, Principal Scientific Adviser to Government of India Completed an online course on COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response Completed an online course designed by World Health Organization on: Infection, Prevention and control (IPC) for Novel Coronavirus (COVID 19). Course date: 8th April 2020 Attended a webinar conducted by Manav IISER, Pune on "How to read scientific literature and introduction to

	<p>MANAV- The human Atlas Initiative” on 9th April 2020, organized by MANAV, Human Atlas Initiative, ISSER, NCCS and Persistent, Pune</p> <ul style="list-style-type: none"> Completed One Week Pedagogical Training for Teachers on Tools for Online Teaching Learning and Evaluation, from 1st July to 6th July 2020, organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded. Participated in a one-day faculty development program on ‘Information and Communication Technology (ICT)’ organized by Department of Computer Science, Fergusson College (Autonomous), Pune, under the DBT-STAR scheme on 5th December 2016. Participated in a hands-on training workshop on ‘Primary chick fibroblast culture for teachers’ organized by Department of Biotechnology, Fergusson College (Autonomous), Pune, under the DBT-STAR scheme on 10th & 12th December 2016 Participated in two-day state level workshop on ‘Advanced Instrumentation and Analysis Techniques’ organized by Department of Microbiology, Vidya Pratishthan’s Arts, Science and Commerce College in collaboration with Vidya Pratishthan’s School of Biotechnology, sponsored by BCUD, SPPU on 3rd & 4th February 2017. Poster presentation in regional Research Conference, Innovations 2015, 20th June, 2015 at Fergusson College, Pune Poster presentation in regional Research Conference, Innovations 2014 29th April, 2014 at Baburaoji Gholap College, Pune Poster presentation- Biosciences and health engineering: Current Scenario, 16th- 17th January, 2014, Department of Biosciences and Technology, DIAT (DU), Pune Seminar- Recent advances in bioseperation, SCOE, STES, Biotech Engineering, National conference on ‘Advances and challenges in Green Technology, 13th and 14th Feb 2015, Sinhgad college of Science State level workshop on “Bee keeping and its role in cottage industry”, 23-24th January 2015., Sinhgad college of Science
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	<ul style="list-style-type: none"> • Attended one day National Seminar on “Silencing the Message: mi and si RNAs” conducted by Society of Biological Chemists (India) at M.S. University, Baroda, (2008) • Completed a certificate course in “Mushroom Cultivation and Management” as a part of a Career Orientation Programme, University Grants Commission (Xth Plan) with A+ Grade held at H.P.T. Arts and R.Y.K. Science College, Nashik (2006-2007)
Event Organized/Conference/ Seminar/ Workshops coordinated	<ul style="list-style-type: none"> • Organized an event ‘Campus – to - Company’ under Sookshm, the Microbiology club of Department of Microbiology, Fergusson College (Autonomous), Pune on 8th – 9th February 2023 • Organized an online lecture series on ‘Bioinformatics: Phylogeny, Next generation Sequencing and cheminformatics’ under UGC – Stride 25th July – 29th July 2022 • Organized the inauguration ‘Sookshm’ the Microbiology Club of Department of Microbiology, Fergusson College (Autonomous), Pune on 6th April 2022 • Organized Innovision 2021 • Organized DBT STAR Workshop: Basic Molecular Biology Techniques for High School Teachers, 4th- 5th December, 2017 • Organized DBT STAR Workshop: Techniques in Molecular biology and Immunology, 30th November and 1st of December • DBT Star Program – A Two day workshop on Basic techniques in Microbiology for high school teachers, 3rd and 4th October 2016
Additional Skills/Activities	<ul style="list-style-type: none"> • Hands- on experience in microbiological techniques, basic bioinformatics, DNA extraction, chromatography, electrophoresis, immunological and hematological techniques, enzyme purification, SDS- PAGE, spectrophotometry, Iso-Electric Focusing, BLAST • Implemented Outcome Based Education for under-graduate and post- graduate grades
Course content developed (e - content)	

Consultancy Services, provided if any	
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